

Puzzles - Week 6

sudoku

To complete each puzzle below, fill in the squares so that each digit 1 through 9 will appear exactly once in each row, in each column, and in each enclosed nine-unit block.

Answers on page 90

			8					1
	5	9			2			4
		6				8		2
4		1		7				
			1		9			
				6		2		3
6		7				9		
1			5			6	4	
2					8			

1

2

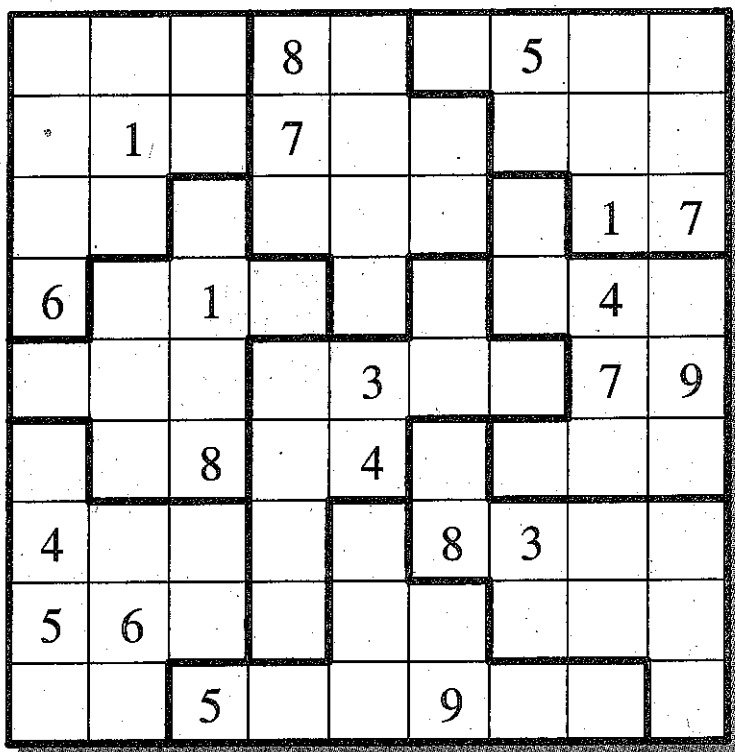
	7	1		6	3		5	
2					5			1
4	5				1			
1	2	9						
		5				8		
						3	1	6
			3				6	4
6			4					9
	1		6	2		7	3	

Loco Sudoku

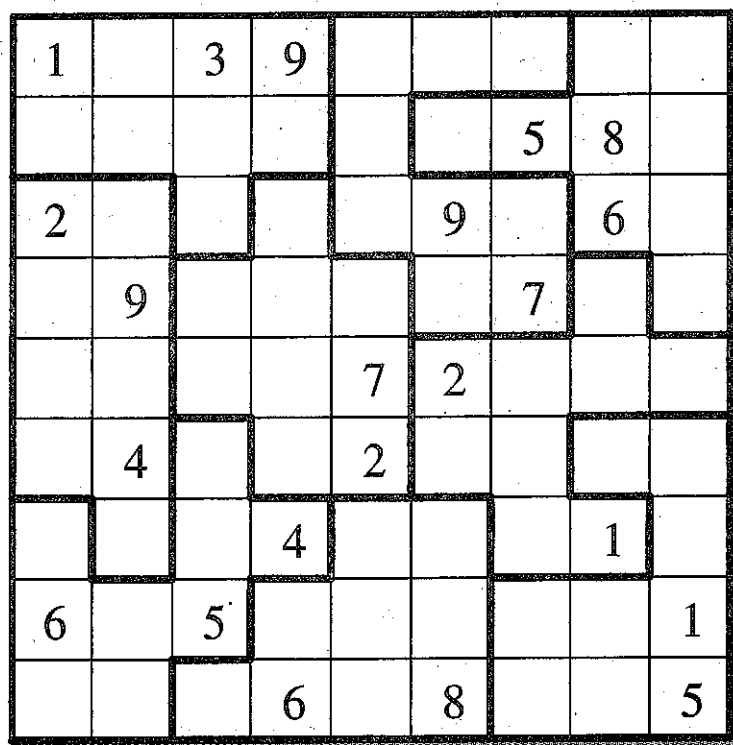
To complete this special type of sudoku puzzle, fill in the squares so that each of the digits 1 through 9 will appear exactly once in each row, in each column, and in each irregularly shaped box (marked by a heavy line).

Answers on page 90

1



2



LOGIC PROBLEM 1

In a Pickle

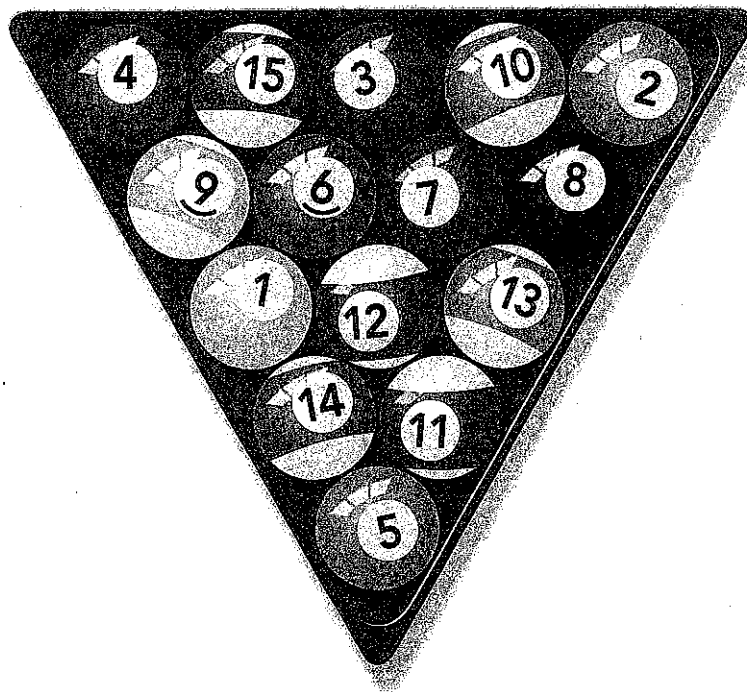
Busy as she is, Emma always sets aside a week at the end of the gardening season to pickle some of her harvest. Last fall she spent each of five weeknights (Monday through Friday, inclusive) putting up a different batch of pickles, slowly filling the shelves down in her cool basement. For uniformity's sake, she used a different size canning jar for each type of vegetable (including half-pint and gallon jars). Match the day on which Emma pickled each type of vegetable and the jar she used on that day. (Note: There are two pints in a quart and four quarts in a gallon.)

1. Emma put up okra on either Tuesday or Wednesday.
2. She canned the cucumbers in jars that are eight times the size of those into which she put vegetables on Thursday.
3. She didn't can hot peppers on either Monday or Tuesday.
4. Emma put either the beets or the hot peppers in half-gallon jars.
5. She used the quart jars sometime later in the week than she used the pint jars.
6. She canned beets sometime later in the week than she canned cabbage.

This chart can help you solve the problem. Enter all of the facts you can from the information given by using a check for a definite "yes" and a cross for a definite "no." Once you have a definite "yes," put a cross in all the other boxes in the row and column (up to a heavy line) that contain the check. By process of elimination, you will arrive at the correct solution.

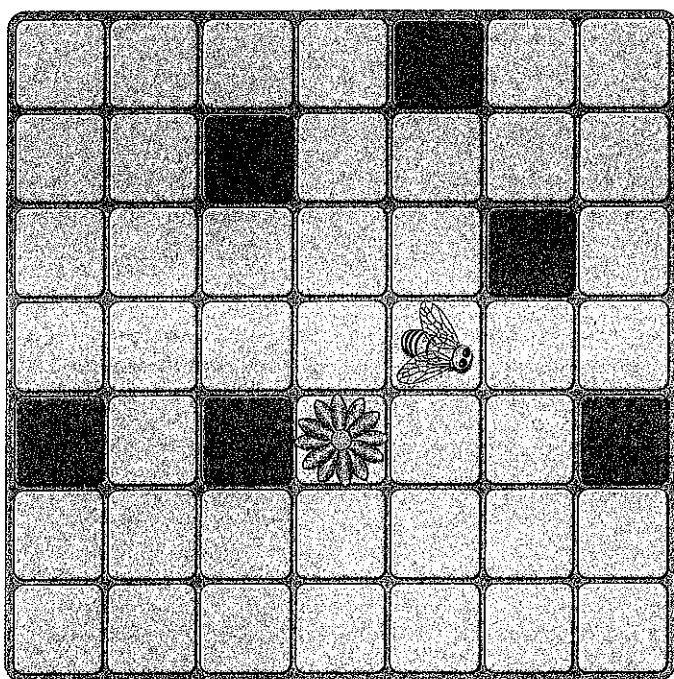
	BEETS	CABBAGE	CUCUMBERS	HOT PEPPERS	OKRA	HALF-PINT	PINT	QUART	HALF-GALLON	GALLON
MONDAY										
TUESDAY										
WEDNESDAY										
THURSDAY										
FRIDAY										
HALF-PINT										
PINT										
QUART										
HALF-GALLON										
GALLON										

Answer on page 97



RACK YOUR BRAIN

Can you divide these 15 pool balls into three groups of five balls so that the sum of the numbers on the balls in each group is 40? The five balls in each group must be adjacent to each other.



GARDEN PATH Can you find one continuous path from the bee to the flower, passing through every light green box and no brown boxes? You may go through each box only once, and diagonal moves are not allowed.

DO AS YOU'RE TOLD

Follow the instructions to discover the surprise answer.

Answer on page 92

1. Print the phrase INEXPENSIVE HOSIERY, omitting the space.

INEXPENSIVEHOSIERY

2. Double the last letter.

3. Delete the central letter.

4. Change the third consonant to an M.

5. Change the fifth vowel to a U.

6. Delete each I.

7. Double the central letter.

8. Change the second vowel to an O.

9. Move the last letter to the eighth position.

10. Change the third letter to an R.

11. Switch the first and eleventh letters.

12. Insert an O at the exact center of the row.

13. Switch the first S with the second R.

14. Add an A at the left end of the row.

15. Insert an F just before the third O.

16. Repeat step 10.

17. Delete all H's and S's.

18. Switch letters 3-6, as a group, with letters 11-14.

CRYPTOGRAMS

A cryptogram is a message written in a code in which each letter is replaced by a different letter throughout the message; every S might be coded as a G, for instance. No letter stands for itself or for more than one other letter, so when you know the code for a letter, write the answer letter over the coded one wherever it appears in the message.

Example: S H A K E S P E A R E
B R C M P B Q P C W P

To break the code and read the message, look for common words and letter patterns: the words THE, AND, A, and I are frequently found; common word endings are E, S, and ING; a letter after an apostrophe could be S, T, or D. The code is different for each cryptogram below.

Answers are on page 96

1. EHSLJU TI AHL MA MIISJLTHA HY LJCLZ, OCL LZS RMPTAV HY

LZML LJCLZ RHJS YCKKU JSMK LH CI. (L.I. SKTHL)

2. GJYXY'M PSOPLM XAAZ KAX EZIXAWYZYUG — EG'M GJY

QENNYMG XAAZ EU GJY JADMY. (SADEMY JYPGJ SYQYX)

3. PF PLR'F RYVYLLZQU FW CV QPYD ZRG OZIWKL FW CV DZJJU.

PF'L WRXU RYVYLLZQU FW CV QPYD. (ZXZR ZXGZ)

4. KIVP QSMLR NPZ RHSXAVMD NXV FVAADV SPZVXMAHHZ NPZ

NCCXVRLNAVZ, AIVXV KLEE FV PH KNX. (RHPWSRLSM)

5. HYTHSY IYSJTV JT BRWC CRYD AYSEYFY EX. CRYD JT BRWC

EI MTXFYXEYXC, CRYX ZYHYXC. (ATA JDSWX)

6. QLH PHYQ KXT RJO X IHOYJS QJ LXCH LXIIT QLJWDLQY MY

QJ UJWSQ LMY PBHYMSDY XSF SJQ LMY UXYL.

7. JKA XOIMTGJP MZ UTGJGUOH, OSC BHASJP MZ DSUTGJGUOH,

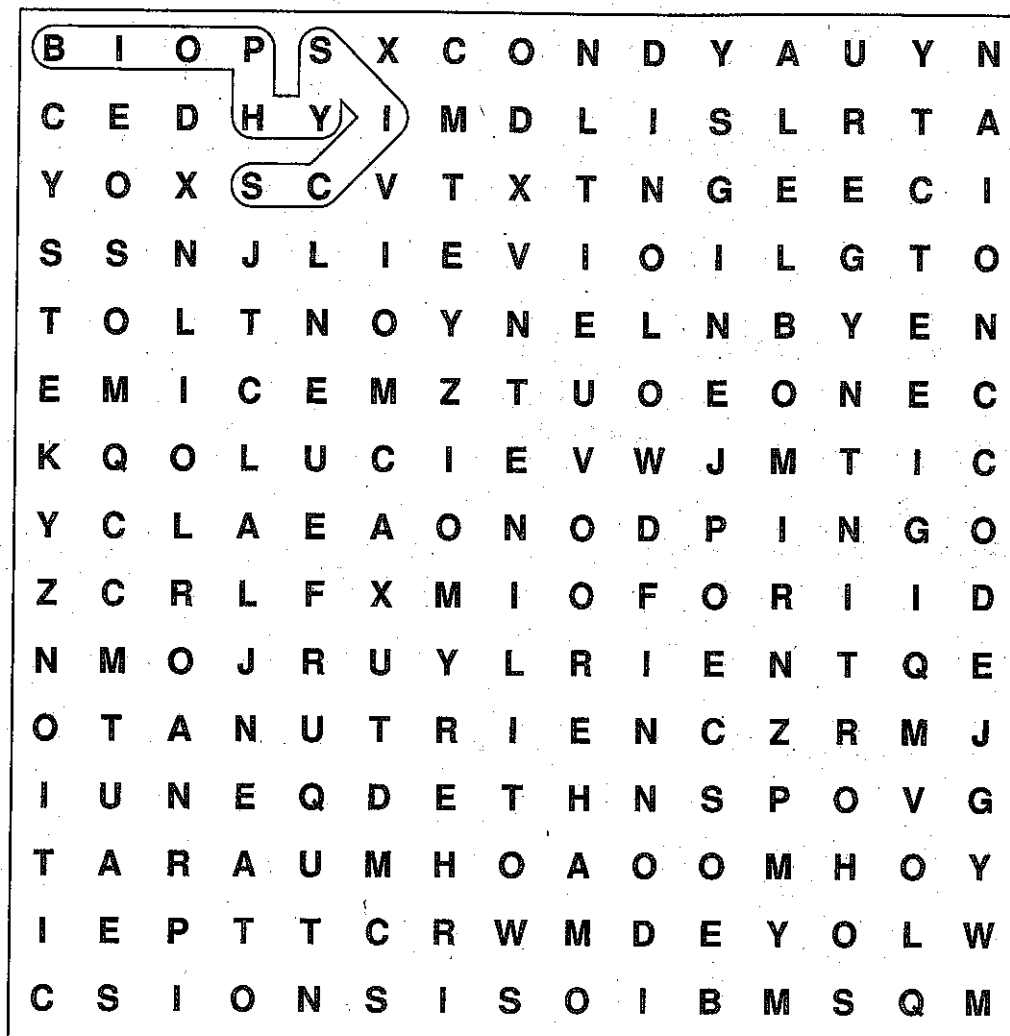
TAOCATN ZGSC WDMJOJGMSN O RMTA. (AJKAH NXPJK)

Word-Twist 1

The Science of Life

This is a Word-Find puzzle with a twist! The words on the list below (all subjects that biologists might be concerned with) are NOT found in straight lines in the diagram. Instead, each word twists and turns several times, zigzag fashion. Items never cross each other. We have circled one entry to get you started.

Answer on page 88



BIOPHYSICS

FAMILY

MUTATION

CHROMOSOME

FOOD WEB

NATURAL SELECTION

CONDITIONING

GENETIC CODE

NATURE-NURTURE

ECOSYSTEM

IMPRINTING

SPECIATION

ENZYME

INHERITANCE

SYMBIOSIS

EVOLUTION

MOLECULAR CLOCK

EXTINCTION

MORPHOLOGY

Fill-In 2

Fill-ins are like reverse crosswords. We give you the words, and you just have to find where they go. We've filled in one word to get you started.

Answer on page 91

3 LETTERS

ALI
COS
DIE
EEC
FEM.
ISR.
LIP
LSU
MOP
MP'S
OOH
OSE
PAR

PGA
PUP
Q.E.D.
QUO
RAG
REA
REN.
SGT.
SKA
SMU
SPR.
SRO
SYS.
TBA

UVB

4 LETTERS

AGOG
AHAS
COHN
ELSA
ESQS.
~~GOBI~~
ODEA
TAPE
VALE
WARS

5 LETTERS

ADAPT
A-FLAT
AMENS
BARTS
BLEAK
CISCO
DARYL
I LOSE
ISSEI
LEIGH
MYRRH
OLMOS
POLAR
SAUCE
VESPA
YEGGS

6 LETTERS

SAVIOR
SAYERS
SHAMUS
SQUIRM

8 LETTERS

RABELAIS
THROW RUG

9 LETTERS

IMPORTUNE
PLAYHOUSE
SPIRALLED
URIAH HEEP

